

Title (en)

POLYURETHANE CATALYSIS BASED ON THE COMBINATION OF AUTOCATALYTIC POLYOL AND UREA

Title (de)

AUF EINER KOMBINATION AUS AUTOKATALYTISCHEM POLYOL UND HARNSTOFF BASIERTE POLYURETHANKATALYSE

Title (fr)

CATALYSE DE POLYURÉTHANE À PARTIR DE LA COMBINAISON DE POLYOL AUTOCATALYTIQUE ET D'URÉE

Publication

**EP 2104696 B1 20130911 (EN)**

Application

**EP 07865225 A 20071205**

Priority

- US 2007086486 W 20071205
- US 87638606 P 20061221

Abstract (en)

[origin: WO2008079614A1] The present invention is to the production of polyurethane foam by reaction of a mixture of at least one liquid organic polyisocyanate with a polyol composition in the presence of urea and an autocatalytic polyol as co-catalysts. The process and formulations are particularly suited for the production of flexible foams.

IPC 8 full level

**C08G 18/16** (2006.01); **C08G 18/40** (2006.01); **C08G 18/48** (2006.01); **C08G 18/50** (2006.01); **C08G 18/63** (2006.01); **C08J 9/00** (2006.01)

CPC (source: EP)

**C08G 18/161** (2013.01); **C08G 18/168** (2013.01); **C08G 18/4072** (2013.01); **C08G 18/4816** (2013.01); **C08G 18/482** (2013.01); **C08G 18/4841** (2013.01); **C08G 18/5021** (2013.01); **C08G 18/633** (2013.01); **C08G 2110/0008** (2021.01); **C08G 2110/0083** (2021.01)

Citation (examination)

DOW PLASTICS: "Voranol and Voralux Polyols for flexible slabstock foam", SWITZERLAND

Cited by

DE102014215387B4; EP3067376A1; EP3744745A1; US11332591B2; DE102014215388A1; US10457769B2; DE102014215380B4; DE102014215383A1; DE102014215384A1; WO2016020140A2; DE102014215383B4; US10703851B2; WO2023092543A1; EP3067343A1; EP3865527A1; EP3981816A1; EP3133097A1; DE102014215381A1; DE102014215382A1; WO2016020137A1; WO2016020199A1; DE102014215381B4; US10793662B2; EP3219738A1; EP3760659A1; WO2021001229A1; WO2022263273A1; WO2023161253A1; EP2998333A1; DE102014218635A1; EP3078696A1; WO2016162183A1; US10189965B2; US10590228B2; WO2023275037A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2008079614 A1 20080703**; EP 2104696 A1 20090930; EP 2104696 B1 20130911

DOCDB simple family (application)

**US 2007086486 W 20071205**; EP 07865225 A 20071205